

|  |     |                 |  | ATTY. DOCKET NO.<br>0942.4120006/RWE/FRC | APPLICATION NO.<br>10/763,252 |           |             |
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|  |     |                 |  | FIRST NAMED INVENTOR<br>Price et al.     |                               |           |             |
|  |     |                 |  | FILING DATE<br>January 26, 2004          | ART UNIT<br>1654              |           |             |
| <b>U.S. PATENT DOCUMENTS</b>   |     |                 |  |  |                               |           |             |
| EXAMINER INITIAL   |     | DOCUMENT NUMBER | DATE   | NAME                                     | CLASS                         | SUB-CLASS | FILING DATE |
| <i>SC</i>  | AA1 | 3,622,453       | 11/23/1971   | Akeyama et al.                           |                               |           | 09/09/1968  |
|  | AB1 | 5,063,157       | 11/05/1991   | Stockinger                               |                               |           | 01/11/1989  |
|  | AC1 | 5,122,469       | 06/16/1992   | Mather et al.                            |                               |           | 10/03/1990  |
|  | AD1 | 5,318,906       | 06/07/1994   | Sakata et al.                            |                               |           | 06/04/1992  |
|  | AE1 | 5,324,524       | 06/28/1994   | Durnford et al.                          |                               |           | 05/06/1991  |
|  | AF1 | 5,372,943       | 12/13/1994   | Inlow et al.                             |                               |           | 07/12/1993  |
|  | AG1 | 5,474,931       | 12/12/1995   | DiSorbo et al.                           |                               |           | 09/21/1993  |
|  | AH1 | 5,607,852       | 03/04/1997   | Provost et al.                           |                               |           | 12/05/1994  |
|  | AI1 | 5,633,162       | 05/27/1997   | Keen et al.                              |                               |           | 03/04/1994  |
|  | AJ1 | 5,741,705       | 04/21/1998   | Blom et al.                              |                               |           | 02/23/1995  |
|  | AK1 | 6,103,529       | 08/15/2000   | Price et al.                             |                               |           | 10/10/1997  |
| <b>FOREIGN PATENT DOCUMENTS</b>  |     |                 |  |  |                               |           |             |
| EXAMINER INITIAL   |     | DOCUMENT NUMBER | DATE   | COUNTRY                                  | CLASS                         | SUB-CLASS | TRANSLATION |
| <i>SC</i>  | AL1 | GB 901,673      | 07/25/1962   | Great Britain                            |                               |           | Yes         |
| <i>SC</i>  | AM1 | DE 3538310 A1   | 04/30/1987   | Germany                                  |                               |           | X No        |
| <i>SC</i>  | AN1 | JP 64-75430     | 03/22/1989   | Japan                                    |                               |           | Yes X No    |
| <i>SC</i>  | AO1 | JP 2-49579      | 02/19/1990   | Japan                                    |                               |           | X Yes No    |
| <i>SC</i>  | AP1 | EP 0 481 791 A2 | 04/22/1992   | Europe                                   |                               |           | Yes No      |
| <b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>  |     |                 |  |  |                               |           |             |
| <i>SC</i>  | AR  | 1               | Auricchio, S., et al., "Prevention by Mannan and other Sugars of in vitro Damage of Rat Fetal Small Intestine Induced by Cereal Prolamin Peptides Toxic for Human Celiac Intestine," <i>Ped. Res.</i> 22:703-707, International Pediatric Research Foundation, Inc. (1987) |  |                               |           |             |
| <i>SC</i>  | AS  | 1               | Coleman, W.H. and Roberts, W.K., "Inhibitors of Animal Cell-Free Protein Synthesis from Grains," <i>Biochim. Biophys. Acta</i> 696:239-244, Elsevier Biomedical Press (1982)   |  |                               |           |             |
| <i>SC</i>  | AT  | 1               | Dyas, L., et al., "The sterol Composition of Five Plant Species Grown as Cell Suspension Cultures," <i>Phytochem.</i> 35:655-660, Elsevier Science Ltd. (1994)   |  |                               |           |             |
| EXAMINER <i>Susan D. Lee</i>   |     |                 |  | DATE CONSIDERED <i>4-11-05</i>           |                               |           |             |
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| FORM PTO-1449<br><br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>0942.4120006/RWE/FRC | APPLICATION NO.<br>10/763,252 |
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|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| GR               | AL2 | JP 7-165524     | 06/27/1995 | Japan   |       |           | Yes<br>X No |
| GR               | AM2 | JP 9-40693      | 02/10/1997 | Japan   |       |           | Yes<br>X No |
| GR               | AN2 | WO 97/33978     | 09/18/1997 | WIPO    |       |           | Yes<br>No   |
| GR               | AO2 | WO 98/08934     | 03/05/1998 | WIPO    |       |           | Yes<br>No   |
| GR               | AP2 | WO 98/15614     | 04/16/1998 | WIPO    |       |           | Yes<br>No   |

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|------------------------|---------------------|---|--|
| GR                     | AR                  | 2 | Freshney, R.I., "The Culture Environment: Substrate, Gas Phase, Medium, and Temperature," Chapter 7 in <i>Culture of Animal Cells. A Manual of Basic Technique</i> , 2 <sup>nd</sup> Ed., Alan R. Liss, Inc., New York, NY, pp. 57-84 (1987) |
| GR                     | AS                  | 2 | Ham, R.G., "Formulation of Basal Nutrient Media," in <i>Methods for Preparation of Media, Supplements and Substrata for Serum-Free Animal Cell Culture</i> , Barnes, D.W., et al., eds., Alan R. Liss, Inc., New York, NY, pp. 3-21 (1984)   |
| NO<br>copy<br>provided | AT                  | 2 | Healy, G.M. and Maemerine, H.G., "Replacement of Serum by a Soybean Protein Fraction in a Basal Tissue Culture Medium," <i>Progr. Immunobiol. Standard 5.202-208</i> , Karger (1972)   |
| EXAMINER               | <i>Susan D. Lee</i> |   | DATE CONSIDERED <i>4-11-05</i>   |

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|  |  | FILING DATE<br>January 26, 2004          | ART UNIT<br>1654              |

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| EXAMINER INITIAL |     | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|------------------|-----|-----------------|------------|---------|-------|-----------|-------------|
| 4                | AL3 | WO 98/24883     | 06/11/1998 | WIPO    |       |           | Yes         |
| 5V               | AM3 | WO 98/30679     | 07/16/1998 | WIPO    |       |           | No          |
| 5V               | AN3 | WO 99/57246     | 11/11/1999 | WIPO    |       |           | Yes         |
|                  | AO  |                 |            |         |       |           | No          |
|                  | AP  |                 |            |         |       |           | Yes         |
|                  |     |                 |            |         |       |           | No          |

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| 4  | AR | 3 | Iscove, N.N. and Melchers, F., "Complete Replacement of Serum by Albumin, Transferrin, and Soybean Lipid in Cultures of Lipopolysaccharide-Reactive B Lymphocytes," <i>J. Exp. Med.</i> 147:923-933, Rockefeller University Press (1978) |
| 5V | AS | 3 | Keay, L., "Autoclavable Low Cost Serum-Free Cell Culture Media. The Growth of L Cells and BHK Cells on Peptones," <i>Biotechnol. Bioeng.</i> 17:745-764, John Wiley & Sons, Inc. (1975)  |
| 5V | AT | 3 | Keay, L., "The Growth of L-Cells and Vero Cells on an Autoclavable MEM-Peptone Medium," <i>Biotechnol. Bioeng.</i> 19:399-411, John Wiley & Sons, Inc. (1977)  |

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|                  | AL |                 |      |         |       |           | Yes         |
|                  | AM |                 |      |         |       |           | No          |
|                  | AN |                 |      |         |       |           | Yes         |
|                  | AO |                 |      |         |       |           | No          |
|                  | AP |                 |      |         |       |           | Yes         |
|                  |    |                 |      |         |       |           | No          |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|----|----|---|---|
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| SL | AS | 4 | Lasfargues, E.Y., et al., "A Serum Substitute That Can Support the Continuous Growth of Mammary Tumor Cells," <i>In Vitro</i> 8:494-500, Tissue Culture Association (1973)                                      |
| SL | AT | 4 | Maurer, H.R., "Towards Chemically-defined, Serum-free Media for Mammalian Cell Culture," in <i>Animal Cell Culture: A Practical Approach</i> , Freshney, R.I., ed., IRL Press, Washington, DC, pp. 13-31 (1986) |

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| EXAMINER | <i>Susan D. De</i> | DATE CONSIDERED | <i>4-1-05</i> |
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|------------------|----|-----------------|------|---------|-------|-----------|-------------|
|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|----|----|---|---|
| SL | AR | 5 | Murakami, H., et al., "Suspension Culture of Hybridoma Cells in Serum-free Medium: Soybean Phospholipids as the Essential Components," in <i>Growth of Cells in Hormonally Defined Media, Book B, Cold Spring Harbor Conference on Cell Proliferation</i> 9:711-715, Cold Spring Harbor Laboratory (1982) |
| SV | AS | 5 | Schlaeger, E.-J., "The protein hydrolysate, Primatone RL, is a cost-effective multiple growth promoter of mammalian cell culture in serum-containing and serum-free media and displays anti-apoptosis properties," <i>J. Immunol. Meth.</i> 194:191-199, Elsevier Science B.V. (August 1996)              |
| SV | AT | 5 | Strober, W., et al., "The Pathogenesis of Gluten-Sensitive Enteropathy," <i>Ann. Int. Med.</i> 83:242-256, The American College of Physicians (1975)  |

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|                  | AL |                 |      |         |       |           | Yes<br>No   |
|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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|----|----|---|---|
| YL | AR | 6 | Waymouth, C., "Preparation and Use of Serum-Free Culture Media," in <i>Methods for Preparation of Media Supplements and Substrata for Serum-Free Animal Cell Culture</i> , Barnes, D.W., et al., eds., Alan R. Liss, Inc., New York, NY, pp. 23-68 (1984) |
| YL | AS | 6 | Wyss, C., "Cloning of Drosophila Cells: Effect of Vitamins and Yeast Extract Components," <i>Somatic Cell Genet.</i> 5:23-28, Plenum Publishing Corporation (1979)  |
| YL | AT | 6 | DIFCO Laboratories, "Bacto Potato Dextrose Agar," <i>DIFCO Manual</i> , pp.690-691, DIFCO Laboratories (1984)   |

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| EXAMINER | <i>Susan D. Br</i> | DATE CONSIDERED | <i>4-11-05</i> |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|----|----|---|---|
| SV | AR | Z | Gibco BRL Life Technologies, 1993-1994 Catalogue and Reference Guide, pp. 1-105 through 1-107, 1-115 through 1-116, 1-123, 4-49, 4-50, 4-61, 4-63, Life Technologies (1993) |
| SL | AS | Z | Dialog File 351, Accession No. 1987-123874/198718, Derwent WPI English language abstract of DE 3538310 A1 (Document AM1) - 1967   |
| SL | AT | Z | Dialog File 351, Accession No. 1989-132551/198918, Derwent WPI English language abstract of JP 67-75430 (Document AN1) - 1969   |

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| EXAMINER | <i>Sarah Doe</i> | DATE CONSIDERED |
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|                       | AI |                 |      |      |       |           |             |
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|                  | AM |                 |      |         |       |           | Yes<br>No   |
|                  | AN |                 |      |         |       |           | Yes<br>No   |
|                  | AO |                 |      |         |       |           | Yes<br>No   |
|                  | AP |                 |      |         |       |           | Yes<br>No   |

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| SL | AS | 8 | Dialog File 351, Accession No. 1995-261164/199534, Derwent WPI English language abstract of JP 7165524 (Document AL2) -1995 |
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| EXAMINER | <i>Broan D. Re</i> | DATE CONSIDERED | <i>4-11-05</i> |
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| FORM PTO-1449<br><u>INFORMATION DISCLOSURE STATEMENT</u> |  | ATTY. DOCKET NO.<br>0942.4120006/RWE/FRC | APPLICATION NO.<br>10/763,252 |
|  |  | FIRST NAMED INVENTOR<br>Price et al.     |                               |
|  |  | FILING DATE<br>January 26, 2004          | ART UNIT<br>1654              |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|------------------|----|-----------------|------|------|-------|-----------|-------------|
|                  | AA |                 |      |      |       |           |             |
|                  | AB |                 |      |      |       |           |             |
|                  | AC |                 |      |      |       |           |             |
|                  | AD |                 |      |      |       |           |             |
|                  | AE |                 |      |      |       |           |             |
|                  | AF |                 |      |      |       |           |             |
|                  | AG |                 |      |      |       |           |             |
|                  | AH |                 |      |      |       |           |             |
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|                  | AK |                 |      |      |       |           |             |

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|                  | AL |                 |      |         |       |           | Yes         |
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|                  | AN |                 |      |         |       |           | Yes         |
|                  | AO |                 |      |         |       |           | No          |
|                  | AP |                 |      |         |       |           | Yes         |
|                  |    |                 |      |         |       |           | No          |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

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|----|----|---|---|
| SN | AR | 9 | CAPLUS database, accession no. 1960:64803, abstract of Japanese Pat. No. 34002673 (1959)            |
| SL | AS | 9 | Quest International, Bioproducts Group, Norwich, NY, Product Information for HY-SOY® (January 1995) |
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| EXAMINER | <i>Susan D Lee</i> | DATE CONSIDERED |
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|                  |    |                 |      |         |       |           | No          |

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|           |    |           |  |
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| <i>SL</i> | AR | <u>10</u> | Quest International, Bioproducts Group, Norwich, NY, Product Information for HYPEP DEV 4301 I (May 1995) |
| <i>SL</i> | AS | <u>10</u> | Quest International, Bioproducts Group, Norwich, NY, Product Information for HYPEP DEV 5115 (May 1995)   |
| <i>SV</i> | AT | <u>10</u> | Quest International, Bioproducts Group, Norwich, NY, Product Information for HY-YEST 444 (June 1995)     |

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| EXAMINER<br><i>John D. Re</i> | DATE CONSIDERED<br><i>4/11/05</i> |
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| NO<br>copy<br>provided         | AR | 11 | International Preliminary Examination Report for International Patent Application No. PCT/US97/18255, mailed January 22, 1999                 |
| NO<br>copy<br>provided         | AS | 11 | International Search Report for International Patent Application No. PCT/US97/18255, mailed January 13, 1998                                  |
| NO<br>copy<br>provided         | AT | 11 | Partial European Search Report for European Patent Application No. 97910043.5, European Patent Office, Netherlands, mailed September 10, 2002 |
| EXAMINER<br><i>John D. Col</i> |    |    | DATE CONSIDERED<br><i>4-11-05</i>   |

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